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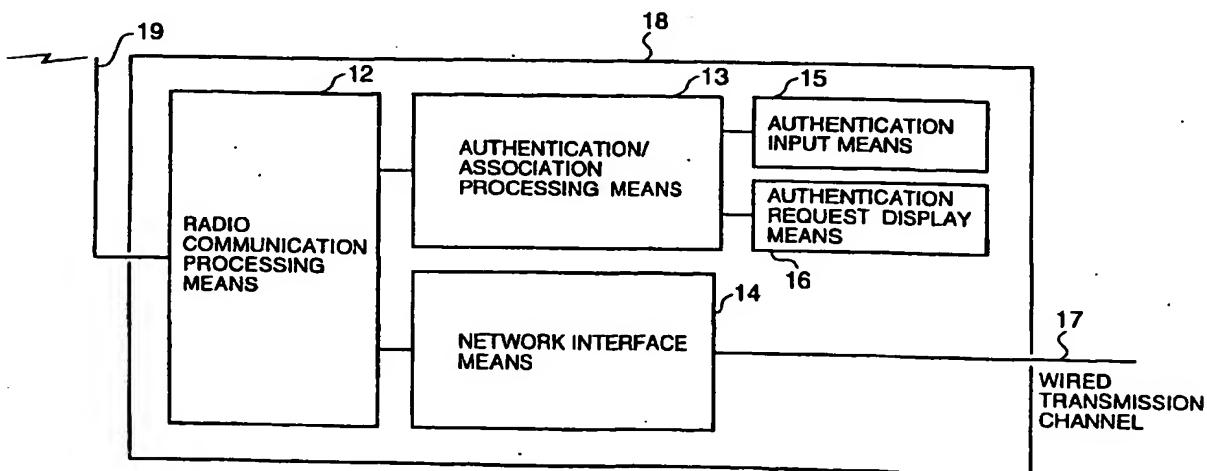
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(54) Access point device and authentication method thereof

(57) An access point device (18) and its authentication method are provided which can dramatically improve a wireless LAN system in security level. The access point device includes: authentication request display means (16) for notifying a network administrator administering the LAN of the presence of an authentication-requesting mobile station so as to gain the final au-

thorization of an authentication procedure when a mobile station in the area perform the authentication procedure before the initiation of an association procedure; and authentication input means (15) from which the network administrator notified inputs an authentication-authorizing or -rejecting instruction with respect to the authentication-requesting mobile station.

FIG.1





EUROPEAN SEARCH REPORT

Application Number
EP 01 11 0754

DOCUMENTS CONSIDERED TO BE RELEVANT															
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)												
E	EP 1 081 895 A (INTEL CORP) 7 March 2001 (2001-03-07) * abstract * * column 4, line 26 - column 6, line 46 * ---	1	H04L12/28 H04L29/06 H04Q7/38												
X	PRASAD A R ET AL: "SECURITY ARCHITECTURE FOR WIRELESS LANs: CORPORATE & PUBLIC ENVIRONMENT" VTC 2000-SPRING. 2000 IEEE 51ST. VEHICULAR TECHNOLOGY CONFERENCE PROCEEDINGS. TOKYO, JAPAN, MAY 15-18, 2000, IEEE VEHICULAR TECHNOLOGY CONFERENCE, NEW YORK, NY: IEEE, US, vol. 1 OF 3. CONF. 51, 15 May 2000 (2000-05-15), pages 283-287, XP000970625 ISBN: 0-7803-5719-1	1													
Y	* page 283, left-hand column, line 25-49 * 2-5 * page 283, right-hand column, line 45 - page 284, left-hand column, line 6 * * page 284, right-hand column, line 1-30 * * page 285, left-hand column, line 22-36 * * page 285, right-hand column, line 19-25 * * page 286, right-hand column, line 1-32 * * page 287, left-hand column, line 1-16 *		TECHNICAL FIELDS SEARCHED (Int.Cl.7) H04L H04Q												
Y	US 5 940 755 A (SCOTT CHARLES RONALD) 17 August 1999 (1999-08-17) * figure 16 *	2-5	-----												
<p>The present search report has been drawn up for all claims</p> <table border="1"> <tr> <td>Place of search MUNICH</td> <td>Date of completion of the search 24 March 2003</td> <td>Examiner Isopescu, C</td> </tr> <tr> <td colspan="3">CATEGORY OF CITED DOCUMENTS</td> </tr> <tr> <td colspan="3"> X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document </td> </tr> <tr> <td colspan="3"> T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document </td> </tr> </table>				Place of search MUNICH	Date of completion of the search 24 March 2003	Examiner Isopescu, C	CATEGORY OF CITED DOCUMENTS			X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document		
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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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